

Title (en)
CONTROLLING A WIND TURBINE CONVERTER

Title (de)
STEUERUNG EINES WINDTURBINENWANDLERS

Title (fr)
COMMANDE D'UN CONVERTISSEUR D'ÉOLIENNE

Publication
EP 3931960 B1 20230524 (EN)

Application
EP 20718199 A 20200327

Priority
• EP 19168829 A 20190412
• EP 2020058688 W 20200327

Abstract (en)
[origin: EP3723272A1] It is described a method of controlling a converter (13), in particular of a wind turbine (1), the converter comprising a first converter portion (15) connected to a generator (9), a DC-link (17), and a second converter portion (19) connected to a utility grid, the method comprising: controlling the first converter portion (15) and the second converter portion (17) by a first control signal (113) and a second control signal (115), respectively, both being derived based on a requested power signal (105), in particular requested active power signal, and a generator rotational speed (107), wherein the first control signal (113) indicates substantially constant generator torque for rotational speed variations of the generator rotational speed (107) above a frequency threshold.

IPC 8 full level
H02P 9/48 (2006.01); **F03D 7/02** (2006.01)

CPC (source: EP US)
F03D 7/028 (2013.01 - EP); **H02J 3/381** (2013.01 - US); **H02P 9/48** (2013.01 - EP); **H02J 2300/28** (2020.01 - US); **H02P 2101/15** (2015.01 - EP); **Y02E 10/72** (2013.01 - EP); **Y02E 10/76** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3723272 A1 20201014; CN 113924726 A 20220111; DK 3931960 T3 20230724; EP 3931960 A1 20220105; EP 3931960 B1 20230524; US 12027868 B2 20240702; US 2022158575 A1 20220519; WO 2020207823 A1 20201015

DOCDB simple family (application)
EP 19168829 A 20190412; CN 202080042711 A 20200327; DK 20718199 T 20200327; EP 2020058688 W 20200327; EP 20718199 A 20200327; US 202017600161 A 20200327